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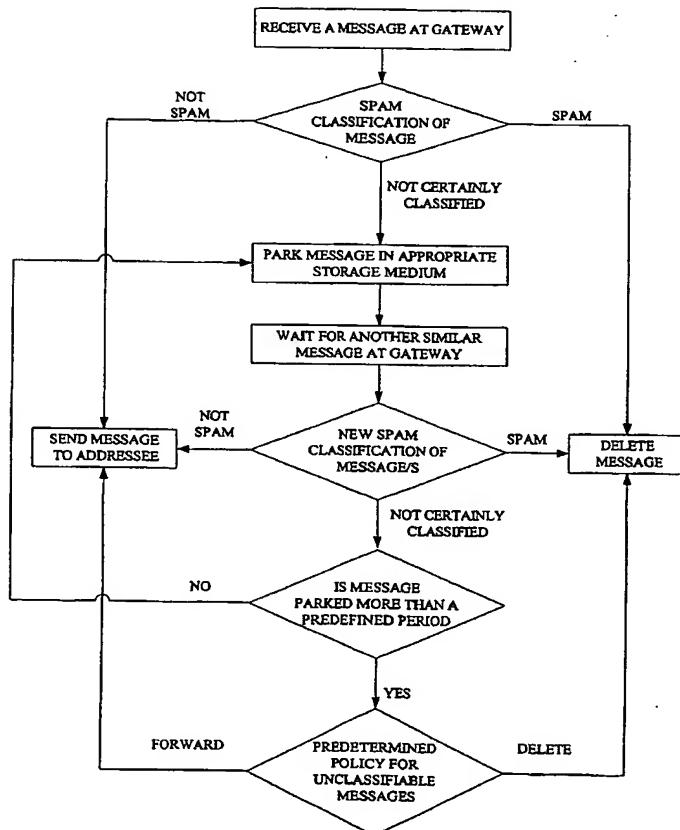
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[Continued on next page]

(54) Title: DETECTION AND PREVENTION OF SPAM



(57) Abstract: A method and system for combating spam, including obtaining information contained in messages, employing a variable criteria to the information, encrypting at least part of the information employing a non-reversible encryption so as to generate encrypted information, transmitting at least the encrypted information to a server for spam indication thereby receiving from the server classification data and determining the spam classification of the messages at least partially based on the classification data.

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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/01103

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 15/173, 11/30, 12/14; H04L 09/00, 09/32
 US CL : 709/206; 713/200, 201

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 709/206; 713/200, 201

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	JP 2003348162 A (NEC CORP.) 05 December 2003 (05.12.2003), see Abstract.	1-186
A,P	JP 2003099372 A (FUJITSU LTD.) 04 April 2003 (04.04.2003), see Abstract.	1-186
A,P	JP 2003099371 A (TOSHIBA CORP.) 04 April 2003 (04.04.2003), see Abstract.	1-186
A,P	JP 2003087327 A (SHARP CORP.) 20 March 2003 (20.03.2003), see Abstract.	1-186
A,P	WO 03/054,764 A1 (LEE et al.) 03 July 2003 (03.07.2003), see Abstract.	1-186
A,T	US 6,687,740 B1 (GOUGH et al.) 03 February 2004 (03.02.2004), column 2, line 14-52.	1-186
A,T	US 6,691,156 B1 (DRUMMOND et al.) 10 February 2004 (10.02.2004), column 2, line 23 to column 3, line 37.	1-186
A,P	US 6,615,241 B1 (MILLER et al.) 02 September 2003 (02.09.2003), column 5, lines 14-38; column 6, lines 26-38.	1-186
A	US 6,330,590 B1 (COTTEN) 11 December 2001 (11.12.2001), column 3, line 6 to column 5, line 23.	1-186

<input checked="" type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
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"P"	document published prior to the international filing date but later than the priority date claimed		

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,161,130 A (HORVITZ et al.) 12 December 2000 (12.12.2000), column 4, line 40 to column 6, line 4; column 8, line 40 to column 9, line 51; column 10, lines 38-49; column 11, line 55 to column 12, line 52; column 13, line 29-57; column 14, line 1-58; column 15, line 30 to column 16, line 67.	1-186

INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:
IEEE, EAST, ACM
search terms: spam, junk, e-mail, unwanted, unsolicited, messages